

**Labor, Health and Human Services, Education, and Related Agencies
Witness Disclosure Form**

Clause 2(g) of rule XI of the Rules of the House of Representatives requires non-governmental witnesses to disclose to the Committee the following information, in addition to a C.V., as part of the written statement of prepared testimony submitted in advance of their appearance. A non-governmental witness is any witness appearing on behalf of himself/herself or on behalf of an organization other than a federal agency, or a state, local or tribal government.

Your Name, Title, Organization, Business Address, and Telephone Number:

JAMES FORTENBERRY, PEDIATRICIAN IN CHIEF
1405 CLIFTON RD NE ATLANTA, GA 30322
404) 785-1313

1. Are you appearing on behalf of yourself or a non-governmental organization? Please list organization(s) you are representing.

CHILDREN'S HEALTHCARE OF ATLANTA

2. Have you or any organization you are representing received any Federal grants or contracts (including any subgrants or subcontracts) since October 1, 2010?

☒ Yes

☐ No

3. If your response to question #2 is "Yes", please list the amount and source (by agency and program) of each grant or contract, and indicate whether the recipient of such grant or contract was you or the organization(s) you are representing.

PLEASE SEE ATTACHED

Signature:



Date:

3/20/14

**EMORY UNIVERSITY SCHOOL OF MEDICINE
CURRICULUM VITAE**

Revised: 3/19/14

Name: James Donald Fortenberry, M.D., FCCM, MCCM, FAAP

Office Address: Children's Healthcare of Atlanta at Egleston
Department of Critical Care Medicine
1405 Clifton Rd, NE; Atlanta, GA 30322

Telephone: 404.785.1600

Fax: 404.785.6233

E-mail Address: james.fortenberry@choa.org

Citizenship: United States

Date of Birth: December 7, 1957

Marital Status: Married-Janet Hanner Fortenberry

Children: Charles Benjamin Fortenberry-age 30
Erin Fortenberry Presley-age 30
Sara Katherine Fortenberry-age 22

Grandchildren: Charlotte Rose Fortenberry-born 3/16/2013
Caroline Elizabeth Presley-born 7/7/2013

Current Titles and Affiliations:

a. Academic appointments:

Primary appointments:

Professor, Pediatric Critical Care
Department of Pediatrics
Emory University School of Medicine

b. Clinical appointments:

Pediatrician in Chief, Children's Healthcare of Atlanta
June 2009-present

Chair, ECMO Leadership Council
Children's Center for ECMO and Advanced Technologies
Children's Healthcare of Atlanta at Egleston
June 2012-present

Vice Section Chief, Critical Care Medicine,
Children's Healthcare of Atlanta at Egleston
2009-present

Research Director
Division of Pediatric Critical Care
Emory University School of Medicine
July 2011-present

c. Other administrative appointments/board memberships:

Board of Trustees, Children's Foundation Board	2014-present
Board of Trustees, The Emory-Children's Pediatric Center	2011-present
Board, Children's Healthcare of Atlanta 1998 Society	2005-present

Previous Academic and Professional Appointments:

1. Clinical Instructor, Department of Pediatrics, Charlotte Memorial Hospital and Medical Center, Charlotte, North Carolina, July 1987 - June 1988
2. Instructor, Section of Critical Care, Department of Pediatrics, Baylor College of Medicine, Texas Children's Hospital, Houston, Texas, July 1990 - June 1991
3. Assistant Professor, Attending Intensivist, Section of Critical Care, Department of Pediatrics, Baylor College of Medicine, Texas Children's Hospital, Houston, Texas, July 1991 - June 1992
4. Medical Director, Mobile Pediatric Intensive Care Unit Transport Service, Texas Children's Hospital, July 1991 - June 1992
5. Assistant Professor, Attending Intensivist, Division of Critical Care, Department of Pediatrics, Egleston Children's Hospital, Emory University School of Medicine, Atlanta, Georgia, July 1992 - February 1997
6. Research Instructor, Division of Hematology and Oncology, Department of Medicine, Emory University School of Medicine, Atlanta, Georgia, July 1993 - February 1997
7. Medical Director, Pediatric Intensive Care Unit, Children's Healthcare of Atlanta at Egleston, July 1997 – June 2000, August 2003-October 2009
8. Associate Medical Director, Pediatric Intensive Care Unit, Children's Healthcare of Atlanta at Egleston, July 2000 – July 2003
9. Fellowship Director, Pediatric Critical Care Training Program, Department of Pediatrics, Emory University School of Medicine, July 1994 – June 2000
10. Clinical Associate Professor, Division of Critical Care, Department of Pediatrics, Emory University School of Medicine, March 1997-March 2007

11. Chief, Critical Care Section, Children's Healthcare of Atlanta at Egleston, 2003-2009
12. System Medical Director, Clinical Research, Children's Healthcare of Atlanta, May 2006 – May 2009
13. Director, Division of Critical Care Medicine, Children's Healthcare of Atlanta at Egleston, August 2003-October 2009
14. Chief, Critical Care Division, Department of Pediatrics, Emory University School of Medicine, March 2007-October 2009
15. Associate Professor, Critical Care Division, Department of Pediatrics, Emory University School of Medicine, March 2007-September 2011
16. Medical Director, Pediatric/Adult ECMO, Center for ECMO/Advanced Technologies, Children's Healthcare of Atlanta, June 2000-May 2012

Previous Administrative and/or Clinical Appointments:

1. Director, Department of Medicine, Children's Healthcare of Atlanta at Egleston, 2001-2005
2. Campus President-Elect, Medical Staff, Children's Healthcare of Atlanta at Egleston, 2005
3. Campus President, Medical Staff, Children's Healthcare of Atlanta at Egleston, 2005-2007
4. System President, Medical Staff, Children's Healthcare of Atlanta, 2006-2007
5. Member, Board of Trustees, Children's Healthcare of Atlanta, 2005-2008
6. Immediate Past President, Medical Staff, Children's Healthcare of Atlanta, 2007-2008
7. Member, Board of Trustees, The Emory-Children's Pediatric Center, 2012-present

Licensures/Boards:

Pediatrics	1988
Recertification	1995, 2000

Specialty Boards:

Pediatric Critical Care	1992
Recertification	1999, 2006

Education:

1976 - 1980
A.B. Degree (Zoology/History)

University of North Carolina
Chapel Hill, North Carolina

1980 – 1984
M.D. Degree
Medical College of Georgia
Augusta, Georgia

Postgraduate Training:

Postgraduate Intern and Resident, Department of Pediatrics, Charlotte Memorial Hospital and Medical Center, Charlotte, North Carolina, July 1984 - June 1987

Postdoctoral Fellow, Pediatric Critical Care, Section of Critical Care, Department of Pediatrics, Baylor College of Medicine, Texas Children's Hospital, Houston, Texas, July 1988-June 1991

Additional Leadership Training:

Children's Healthcare of Atlanta "Leader Next" Executive Leadership 2013

Center for Leadership (inaugural class) Children's Healthcare of Atlanta 2005-2006

Six Sigma Green Belt Training Program Children's Healthcare of Atlanta 2006

Committee Memberships and Leadership:

a. National and International:

Member, Critical Care Sub-Board, American Board of Pediatrics 2011-2016

Member, Sepsis Collaborative Advisory Panel, Children's Hospital Association, 2012

Member, Credentials Committee of Critical Care Sub-Board, American Board of Pediatrics, 2011-2016; Chair 2013-present

Member, National Steering Committee Extracorporeal Life Support Organization (ELSO) At-Large (elected) 2003-2006; At-Large (elected) 2007-present; Chair-elect 2014

Treasurer, National Steering Committee, Extracorporeal Life Support Organization, 2012-present

Member, Pediatric Sepsis Guidelines Revision Task Force, American College of Critical Care Medicine, 2014-present

Member At-Large (elected), Executive Committee, Pediatric Section; Society of Critical Care Medicine 2008-2011

Member, ELSO Infectious Disease Task Force, 2009-10

Member, National Conference Program Planning Committee Society of Critical

Care Medicine 2005-2009

Program Chair, Critical Care Section, and Member, Executive Committee,
American Academy of Pediatrics, National Conference and Exhibition, 2002-2006

Member, Outcomes and Investigations Committee American College of Critical
Care Medicine 2005-2008

National Institutes of Health, Biomaterials and Biointerfaces Study Section
Ad Hoc Reviewer 2007

Extracorporeal Life Support Organization (ELSO) Chair, Pediatric Respiratory
Failure Guidelines Task Force 2007

Member, Approval Committee American College of Critical Care Medicine
Clinical Practice Parameters for Pediatric Septic Shock 2007

National Institutes of Health, Special Review Committee, Pediatric Critical Care
Network RFA, 2004

Member, Pediatric Multidisciplinary Critical Care Assessment Committee, Society
of Critical Care Medicine 2001- 2005

Member, Scientific Committee National Pediatric Critical Care Colloquium, Hot
Springs, Arkansas 1997

Abstract Reviewer:

Pediatric Critical Care Colloquium 1997

American College of Chest Physicians 2000-2006

Section on Critical Care, American Academy of Pediatrics 2003-present

Society of Critical Care Medicine, 2006-present

Pediatric Academic Societies, 20012-present

b. Regional and State:

Georgia Governor's Commission on Mandated Health Benefits, appointed by
Governor Nathan Deal, 2012

Georgia Governor's Commission on Mandated Health Benefits, Subcommittee on
Medical Efficacy, 2013

Georgia Bio Committee of Scientific Researchers-Member 2009

American Lung Association of Georgia Research Committee – Member Scientific
Review Committee – Member 1995 - 2002

Interviewer, MAP International/Reader's Digest Medical Student Fellowship
Program 1995

American Lung Association of Georgia, Member, Scientific Review Committee,
Grant Reviewer 1994, 1995, 1996, 1998, 1999

c. Institutional (Children's Healthcare of Atlanta, unless otherwise noted):

1.	Clinically Integrated Network Steering Committee	2013-present
2.	Physician Alignment Core Team	2013-present
3.	Strategy Review Guiding Team	2013-present
4.	Search Committee, CF Director/Pulmonary	2013-present
5.	Research Conflict of Interest Review Committee	2013-present
6.	Neonatology Search Committee	2013-present
7.	Clinical Operations Executive Team	2012-present
8.	Physician Leadership Cabinet Manpower Planning Subcommittee	2012-present
9.	Search Committee, Clinical/Translational Research Director	2012-present
10.	Search Committee, Division of Neonatology, E-CC	2012-present
11.	Clinical Data Repository Team	2012-present
12.	The Pediatric Center Steering Committee	2011
13.	The Pediatric Center Operations Workgroup	2011-2012
14.	Facilities Advisory Committee	2011-2012
15.	Emory-Children's Research Strategic Planning Task Force	2011
16.	Clinical-Translational Research Director Search Committee	2011
17.	System Technology Advancement Committee	2010
18.	Children's Health4Life Guiding Team	2010-present
19.	Clinical/Translational Research Center Guiding Team	2010
20.	Chair, Physician Leadership Review Council	2010-present
21.	Medicine Service Line Physician Oversight Council-Chair	2010-present
22.	Search Committee-Chief of Neurosciences	2010
23.	Member, Children's Safety Huddle	2009-present

24.	Ex-Officio Member, Medical Executive Committee	2009-present
25.	Community Physician Advisory Council-Developer/Chair	2009-present
26.	Member, Children's Physician Leadership Cabinet	2009-present
27.	Vision 2018 Supply Standardization Task Force	2009-present
28.	Children's Loss Prevention Committee	2009-present
29.	Emory-Children's Center Physician Advisory Council	2009-present
30.	Employed Physician Organization Task Force	2009-2010
31.	Chair, H1N1 Medical Management Task Force	2009
32.	Chair, Health Information Oversight Committee	2008-present
33.	Strategic Clinical Plan Task Force Oversight Committee	2008-present
34.	Grants Management Efficiency Committee	2008-present
35.	ICU Enhancement Committee	2008-present
36.	Clinical Strategic Planning Task Force	2008-present
37.	Search Committee, Chief Research Officer	2008-present
38.	Children's Quality Cabinet	2007-present
39.	Appointment and Promotions Committee	
	Department of Pediatrics, Emory University School of Medicine	2007-present
40.	Research Strategic Plan Task Force	2007-present
41.	Quality Cabinet	2007-present
42.	Emory Children's Center Management Committee	2007-2009
43.	Search Committee, Chief Executive Officer	2007
44.	Search Committee, Chief Medical Officer	2007
45.	System Trauma Planning Task Force	2007
46.	Clinical Research Subcommittee Emory-Children's Center	2007
47.	Physician Compensation Subcommittee Emory-Children's Center	2007
48.	Hughes Spalding Children's Hospital Safety Committee	2007

49.	Rapid IV Access Task Force	2007
50.	Ad Hoc Charity Committee	2007
51.	EPIC Physician Oversight Committee	2006 – present
52.	Advisor/Program Chair, Center for Leadership	2006-present
53.	Professional Staff Bylaws Committee, Member Co-Chair	2005-2009 2008-2009
54.	Quality Subcommittee, Board of Trustees	2005-2007
55.	Bloodstream Infection Reduction Task Force	2005 – present
56.	Ventilator-Associated Pneumonia Task Force	2005 – 2006
57.	System Peer Review Committee	2004 – 2008
58.	Medicine Peer Review Subcommittee Chair Member	2002-2004 2002-2003 2008-2009
59.	Graduate Medical Education Committee – Member	2002 – 2005
60.	Medical Executive Committee – Member (or Chair)	2000 – present
61.	Grant Reviewer, Research Oversight Committee, Children's Healthcare of Atlanta	2000-2009
62.	System Credentials Committee	2000 – 2008
63.	Quality Oversight Committee – Member	2000 – 2007
64.	Children's Research Oversight Committee – Member Chair	2000 – 2006 2006-2009
65.	Intensive Care Services Committee – Member	1997 – 1999
66.	PICU Committee – Chairman	1996 – 2003
67.	Seed Grant reviewer, Children's Research Center	1996, 1997
68.	Intensive Care Unit Re-engineering Task Force	1996
69.	Grant Review Committee, Children's Research Center Seed Grant Program (2 cycles)	1996
70.	Award Selection Committee, Resident Research Day	1996
71.	Infection Control Committee - Member	1993 - 2000

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|-----|---|-------------------------------|
| 72. | Code 99 Committee - Egleston Children's Hospital - Chairman | 1993 - 1997 |
| 73. | Department of Pediatrics Research Task Force – Member | 1993 |
| 74. | PICU Committee – Member
Chairman | 1992 – present
1997 – 2004 |

Editorships and Editorial Boards:

- | | |
|---|--------------|
| Associate Editor, <i>Frontiers in Pediatric Critical Care</i> | 2014-present |
| Editor, Renal Section, <i>Pediatric Critical Care Medicine</i> ,
Wheeler, Wong and Shanley, editors, 2 nd edition | 2012-present |
| Pediatric Editor, <i>Decision Support in Medicine</i> | 2010-present |
| Editorial Board, <i>Pediatric Critical Care Medicine</i> | 2004-present |
| Associate Editor, <i>Pediatric Critical Care Medicine</i> | 2010-present |

Manuscript reviewer (ad hoc unless noted otherwise):

- | | | |
|-----|--|--------------|
| 1. | American Journal of Respiratory and Critical Care Medicine | 2010-present |
| 2. | Circulation | 2012-present |
| 3. | Perfusion | 2012-present |
| 4. | JAMA (book reviewer) | 2011-present |
| 5. | ASAIO Journal | 2006-present |
| 6. | Intensive Care Medicine | 2006-present |
| 7. | Critical Care | 2006-present |
| 8. | Pediatric Nephrology | 2006-present |
| 9. | Hemodialysis International | 2007 |
| 10. | New England Journal of Medicine | 2006 |
| 11. | Human and Experimental Toxicology | 2005 |
| 12. | Critical Care Medicine (regular reviewer) | 2004-present |
| 13. | Pediatric Critical Care Medicine (member, editorial board) | 2004-present |
| 14. | Pediatrics (regular reviewer) | 2004-present |
| 15. | Pediatric Research | 2003-present |
| 16. | Journal of Pediatric Infectious Diseases | 2001 |
| 17. | Journal of Leukocyte Biology | 1999 |
| 18. | American Journal of Respiratory Cell and Molecular Biology | 1998-present |

Honors and Awards:

1. Phi Beta Kappa 1979
2. Alpha Omega Alpha 1983
3. Outstanding Teaching Award-Postdoctoral Fellow, Texas Children's Hospital (awarded by Pediatric House Staff, Department of Pediatrics, Baylor College of Medicine) 1989 - 1990
4. Pediatric Specialty Research Award, Society of Critical Care Medicine, Annual Meeting,

San Francisco, CA 1995

5. Faculty Member of the Year Teaching Award, (awarded by senior residents, Department of Pediatrics, Emory University School of Medicine) 1994-1995
6. Goddard Research Scholar, Emory University Children's Research Center 1995 - 1998
7. Critical Care Section, American Academy of Pediatrics, Annual Meeting, Best In-Training Basic Science Award, (Karl Serrao*, co-mentored fellow) 1998
8. Fellow, American College of Critical Care Medicine, inducted 2002
9. Educational Scholarship Award, Society of Critical Care Medicine, 33rd Critical Care Congress 2004
10. Who's Who in America 2005-2006
11. Editorial Board, *Pediatric Critical Care Medicine*, 2005-present; Associate Editor
12. America's Top Pediatricians, 2006-2007
13. Presidential Citation, Society of Critical Care Medicine (awarded for outstanding contributions to the Society of Critical Care Medicine): 2006, 2009, 2011
14. Best Doctors of America, 2007-2013
15. Certificate of Recognition, Society of Critical Care Medicine (for efforts as Program Congress Committee to enhance 2008 meeting), 2008
16. Outstanding Scientific Abstract Award (senior author), Annual Congress of the Society of Critical Care Medicine, 2010
17. Outstanding Administrative Specialty Abstract Award (co-author), Annual Congress of the Society of Critical Care Medicine, 2010
18. American Pediatric Society-elected 2010
19. Honorary Professor, Capitol Medical University, Beijing China 2011
20. Master of Critical Care Medicine, Awarded by Society of Critical Care Medicine, 2013

Society Memberships:

Member, Society of Pediatric Sedation	2007-present
Children's Healthcare of Atlanta 1998 Society	2004-present
Member, American College of Critical Care Medicine	2002-present
Member, Critical Care Section, American Academy of Pediatrics	1996-present
Member, Transport Section,	

American Academy of Pediatrics	1996-present
Member, Greater Atlanta Pediatrics Society	1996-present
Member, American Thoracic Society	1996-2001
Member, Oxygen Society	1995
Fellow, American Academy of Pediatrics	1992-present
Member, Society of Critical Care Medicine	1990-present
Affiliate Fellow, American College of Chest Physicians	1990-1992

Organization of National or International Conferences:

a. Administrative positions:

1. Moderator/Organizer, "Update on Neonatal and Pediatric Extracorporeal Support. Annual Congress, Pediatric Academic Societies, Vancouver, CA, May 2014
2. Moderator, "What If....Critical Care controversies", Plenary Session, Annual Congress, Society of Critical Care Medicine, Sa Francisco, CA, January 2014
3. Member, Program Planning Committee, 1st Pediatric Acute Kidney Injury Symposium/Pediatric CRRT Conference, Cincinnati, OH, September 2012
4. Moderator/organizer "Donation After Cardiac Death: Pro/Con Debate", Plenary Session 2010 Annual Congress, Society of Critical Care Medicine, Miami, FL January 2010
5. Moderator/Organizer, "Pediatric CCM Case Conference", Plenary Session, 2009 Annual Congress, Society of Critical Care Medicine, Nashville, TN, January 2009
6. Moderator/Organizer "Selected Controversies in Pediatric Sepsis", Plenary Session Annual Congress, Society of Critical Care Medicine, Honolulu, HI, February 2008
7. Moderator/Organizer, "Pediatric CCM Case Conference", Plenary Session, Annual Congress, Society of Critical Care Medicine, Honolulu, HI, February 2008
8. Moderator/Organizer, "Expanding Horizons In The Child With Multi-Organ System Failure", Plenary Session, Annual Congress, Society of Critical Care Medicine, Orlando, FL, February 2007
9. Moderator/Organizer, "Case Conference: A Child With Severe Traumatic Brain Injury" Plenary Session, Annual Congress, Society of Critical Care Medicine, Orlando, FL, February 2007
10. Member, Program Planning Committee, 17th Annual Extracorporeal Life Support Organization Meeting, Atlanta, GA, September 2006
11. Moderator/Organizer, "Battle of the ECMO Bulge: Feedings and Fluids", Plenary Session Annual Meeting, Extracorporeal Life Support Organization, Atlanta, GA,

September 2006

12. Moderator/Organizer, "Impact of Medical Errors in Critically Ill Children", Plenary Session Annual Congress, Society of Critical Care Medicine, San Francisco, CA, January 2006
13. Moderator/Organizer, "ECMO and Plasma Exchange in Sepsis", Plenary Session, Annual Meeting, Extracorporeal Life Support Organization, Houston, TX, September 2005
14. Moderator/Organizer, "Update on Pediatric Mechanical Ventilation", Section on Critical Care, American Academy of Pediatrics, National Conference and Exhibition, Washington, DC, October 2005
15. Moderator/Organizer, "Patient Safety in the PICU", Section on Critical Care, American Academy of Pediatrics, National Conference and Exhibition, October 2004
16. Moderator/Organizer, "Update on Transplantation in the PICU", Section on Critical Care, American Academy of Pediatrics, National Conference and Exhibition, Washington, DC, October 2004
17. Moderator/Organizer, Scientific/Abstract Sessions, Section on Critical Care, American Academy of Pediatrics, National Conference and Exhibition, 2003, 2004, 2005
18. Director, National Roundtable on Plasma Therapies in Pediatric Sepsis, Children's Healthcare of Atlanta, Center for ECMO and Advanced Technologies, Atlanta, GA, October 2003

b. Sessions as chair:

Program Chair, Critical Care Section, American Academy of Pediatrics, National Conference and Exhibition, Sessions: 2002-2006

Research focus:

My current research centers on septic shock and extracorporeal therapies. I am Principal Investigator of a recently completed national multicenter study of therapy with plasma exchange in children with thrombocytopenia-associated multiple organ failure, with pilot trial completed and randomized trial planning in progress. I am Site Investigator for the NIH-funded Critical Pertussis Study of the Collaborative Pediatric Critical Care Research Network. I co-lead a variety of clinical research efforts in the PHIS database sepsis evaluation, and mentor fellows in numerous projects. I am currently an invited consultant to assess the potential for a national multicenter trial of inhaled nitric oxide in pediatric respiratory failure.

Patents

Novel fluid management system for accurate continuous hemofiltration in extracorporeal membrane oxygenation. **Fortenberry JD**, Yoganathan A, Sucosky P, Dasi L, Paden M. Patent Number US 8,206,594 B2. June 26, 2012. International application number PCT/US08/66108.

Grant Support:

a. Active support:

I. Federally funded:

1. Site co-investigator, National Institutes of Health – National Institute of Allergy and Infectious Diseases. Via the Pediatric Acute Lung Injury and Sepsis Initiative (PALISI) Network. "Immune response in life-threatening influenza." 1R01AI084011-01A1. \$3,000/patient enrolled, 2010-05/31/2014.
2. Site co-investigator, Centers for Disease Control, via the Pediatric Acute Lung Injury and Sepsis Initiative (PALISI) Network. "Immunologic and genetic factors associated with influenza infection and vaccine response in children with life-threatening and fatal influenza." \$1,000/patient enrolled, 2010-2013.
3. Site principal investigator, National Institute of Child Health and Development, National Institutes of Health. "Collaborative Pediatric Critical Care Research Network: Critical Pertussis Study." 2U01HD049934-06, \$9073 annually 2008-2013.

II. Private foundation funded:

Fortenberry JD, Tanner A, Young T, Rogers K: Children's Healthcare of Atlanta Research Fund, "Randomized trial of plasma exchange compared to standard therapy in pediatric patients with thrombocytopenia-induced multiple organ failure in sepsis." NCT# 00118664, \$100,000, 2007-present. (clinicaltrials.gov)

b. Previous Support:

1. Site co-investigator, Center for Disease Control/America's Health Insurance Plans/Pediatric Acute Lung Injury and Sepsis Initiative (PALISI) Network. "Genetic epidemiology of life-threatening influenza infection in children and young adults." 200-2002-00732, \$24,500 2008-2009.
2. Co-investigator, Yoganathan AP, **Fortenberry JD**, Paden M, Dasi L, Sucosky P, Wagoner S. Children's/Georgia Institute of Technology Health Systems Institute Seed Grant, "Development of a novel fluid management system for accurate continuous hemofiltration in extracorporeal membrane oxygenation (ECMO)." \$40,000, 2006-2007.
3. P.I. **Fortenberry JD**, Haight A, Tanner A, Young T, Rogers K: "Early use of continuous venovenous hemofiltration in respiratory failure in pediatric bone marrow transplant patients." Children's Healthcare of Atlanta Research Fund, \$40,000, 2003-2005.
4. P.I. **Fortenberry JD**, Restrepo R: Children's Healthcare of Atlanta Research Fund, "Comparison of ventilator length of stay in pediatric ICU patients using a patient-driven respiratory protocol compared to a physician-directed approach." \$10,000, 2001-2002.
5. P.I. **Fortenberry JD**, Heggen J*: Children's Healthcare of Atlanta Research Fund "Evaluation of hypertension in pediatric ECMO patients." \$6000, 2001-2002.
6. Co-Investigator, Gauthier TW, Brown LA, **Fortenberry JD**: American Lung Association, Georgia Affiliate, "Nitric oxide exposure to a pulmonary bilayer - a double-edged sword." \$25,000 per year, 1998-2000

7. Co-investigator, Gauthier TW, Brown LA, **Fortenberry JD**: March of Dimes Birth Defects Grant, "Neutrophil-mediated injury in a novel pulmonary bilayer: the effects of nitric oxide exposure." \$20,000 per year, 1998-2000.
8. P.I. **Fortenberry JD**, Brown LA: Emory-Egleston Children's Research Center. Goddard Scholarship. "Mechanisms of inflammatory response modulation by nitric oxide." \$45,000 annually, 1995-1998.
9. P.I. **Fortenberry JD**, Brown LA, Huber AR, Owens M, Daher A: American Lung Association. Effects of exogenous nitric oxide on neutrophil function. \$24,723, July 1995-June 1996, \$20,254, July 1996 - June 1997.
10. P.I. **Fortenberry JD**, Huber AR, Brown LA: Emory University Research Committee "Effects of nitric oxide on neutrophil and endothelial function." \$15,000, September 1995-August 1996.
11. Co-investigator, upon departure of Dr. Rice, became P.I. Kelly A, Harker L, Cornish D, **Fortenberry JD**, Hansen S. National Institutes of Health RFA, "Mechanisms of damage caused by extracorporeal circulation." #NIH-90-HL-12-H. Assumed grant responsibility for leukocyte studies following departure of Dr. William Rice from Emory University, 1994.
12. Co-investigator, Heiss A, **Fortenberry JD** (consultant), Brown LA. American Lung Association of Georgia "The role of cell adhesion molecules in volume-induced lung injury." \$21,000, 1994-1995.

Clinical Service Contributions:

Led development of standardized system-based inpatient DKA protocol through multi-disciplinary team	2012-present
Led development of outpatient diabetes management protocols For system diabetes disease management program	2012-present
Led development of pathways for enhanced management of Sedation/analgesia, ventilator management during withdrawal Of life-sustaining support for system optimization	2012-present
Developed PICU standardized orders sets for EPIC Computerized Physician Order Entry	2005-present
Revised standardized ECMO, CVVH and developed Standardized Plasma exchange protocols	2005
Developed standardized septic shock steroid protocol	2005
Director, Critical Care Medicine	2003-2009
Participated in development of standardized enteral feeding, VAP and BSI bundles, unit-based quality rounding tool	2003-2008
Developed standardized PICU DVT management protocol	2003
Associate Medical Director, PICU	2001-2003

Chaired task force to develop revised center guidelines for determination of brain death	2001
Medical Director, Pediatric/Adult ECMO	2000-2012
Developed first standardized sedation protocols for PICU	2000
Developed first standardized narcotic/sedation weaning protocols for PICU	1998 – 1999
Developed first standardized mechanical ventilation management protocol for PICU	1998
Medical Director, Eggleston Children's Hospital PICU	1996-2000 2003-2009
Supervised design of computerized resuscitation "code card" for hospital-wide use	1992

Clinical time commitments:

Attending Intensivist		1992-present
Pediatric Intensive Care Unit	24 weeks/year	1992-1994
	12 weeks/year	2005-2009
	6 weeks/year	2009-present
Night call – approximately every 4 th – 5 th night		1992-2009
Approximately every 10 th night		2009-present
Weekend call	1 weekend/month	1992-present

Formal Teaching:

a.	Medical Student Teaching David Atkinson, Medical Student Preceptor	Summer 1995
	Emory University School of Medicine Problem-Based Learning MS3 Pediatrics Rotation	1995 1997, 1998
b.	Graduate Program	
	Residency program	
	Greg Cabrera, M.D. Research Resident	1997
	Jocelyn Grunwell MD, Research Resident	2012
c.	Other categories	
	Sujatha Palat, M.D. Visiting Lab Assistant	1996

Supervisory Teaching:

- a. Director, Pediatric Critical Care Postgraduate Fellowship Program
Emory University School of Medicine
(*Obtained program's original accreditation in 1994*) 1994 – 2000

Post-doctoral fellows directly supervised (*primary research mentor)-29 to date:

Jocelyn Grunwell	2013-present	In-training
Arun Singh	2013-present	In-training
Tyler Krohn	2012-present	In-training
Mark Dugan	2012-present	In-training
Amanda Ruth*	2012-present	In-training
Bea Teppa	2012-present	In-training
Amanda Carmean*	2011-present	In-training
Asha Sheno*	2010-2013	Assistant Professor, University of Kentucky Lexington, KY
Mouhammad Yabrodi	2010-2013	Cardiology Fellow, Emory University
Michael Wittkamp	2009-2012	Assistant Professor, Emory University
Bryan Gamble	2009-2012	Assistant Professor, Columbia, SC
Charlene Davenport	2009-2012	Intensivist, Fairfax, Virginia
Emily Martin	2008-2011	Intensivist, New Orleans, LA
Treva Ingram	2008-2011	Intensivist, Atlanta, GA
Anas Farag-Galleon	2009-2010	Assistant Professor Pediatrics, Kansas City-Mercy Hospital
Brian Bridges	2007-2010	Assistant Professor Pediatrics, Vanderbilt University, ECMO Director
Frankie Crain	2006-2009	

	Intensivist, Knoxville, TN
Susan Morris*	2006-2009 Assistant Professor Pediatrics, University of Texas-Southwestern
Catherine Preissig	2005-2009 Assistant Professor, Pediatric Critical Care Medicine, Mercer University; Research Director, Dept. of Pediatrics, Medical Center Central Georgia
Matthew Paden*	2004-2007 Assistant Professor of Pediatrics, Emory University; Director of Pediatric ECMO
	<ul style="list-style-type: none"> • Outstanding Research Abstract Award, Critical Care Section, American Academy of Pediatrics 2006 • Outstanding Abstract Award, 5th International Conference on Continuous Renal Replacement Therapy, Orlando, FL, June 2008 • Award for Innovative Research, Georgia Life Sciences Summit, 2008
Curt Froehlich	2004-2007 Assistant Professor Pediatrics, University of Texas-San Antonio ECMO Director
Kiran Hebbar*	2003-2007 Assistant Professor of Pediatrics, Emory University, Medical Director, TICU, Children's Healthcare of Atlanta at Egleston; Director of Pediatric Education and Development through Simulation program (PEDSIM)
	<ul style="list-style-type: none"> • Resident Research Day, Emory University Department of Pediatrics, Research Award 2003
Nancy Hoover MD*	2001 – 2004 Intensivist, US Army, San Antonio, TX
Jason Foland MD*	2001 – 2004 Assistant Professor, Florida State University, Pensacola, FL
Pradip Kamat MD	2001 – 2003 Assistant Professor of Pediatrics, Emory University; Co-Director, Children's Sedation Service

Judith Heggen, D.O.*	1999 – 2002 Assistant Professor, University of Iowa
Toni Petrillo, M.D.*	1998 – 2001 Associate Professor of Pediatrics, Emory University, Co-Director Children's Response Transport, Fellowship Director
Karl Serrao, M.D.*	1996 – 1999 Associate Professor of Pediatrics Chief, Critical Care, UT-Corpus Christi, TX

- Critical Care Section, American Academy of Pediatrics, Annual Meeting, Best In-Training Basic Science Award, 1998

Atul Vats, M.D.	1995 – 1998 Assistant Professor, Critical Care Medicine Emory University, PICU Medical Director
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Nandkishore Raghuram, M.D.*	1995 – 1998 Intensivist, Amarillo, TX
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Amirah Daher, M.D.*	1994 – 1996 Intensivist, Detroit, MI
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c. Residency Program:

Faculty Advisor Emory University School of Medicine, Department of Pediatrics
 Wil Stotz
 Michael Ficenic
 Matthew Paden
 Joanne Garde

Supervisor
 Monthly Critical Care Medicine Resident Lecture Series

Lectureships, Seminar Invitations, and Visiting Professorships – Local/Regional

1. "Hail CESAR: Update on Adult ECMO", Southeastern Critical Care Summit, Emory University School of Medicine, Atlanta, GA, February 2013
2. "Update on Adult ECMO", Southeastern Society of Critical Care Medicine, Quarterly Meeting, Grady Memorial Hospital, Atlanta, GA, November 2012
3. "Fluid Balance: Marker or Target?" Grand Rounds, Children's Healthcare of Atlanta, Emory University School of Medicine, September 2012
4. "ECMO: State of the Art", Georgia Health Sciences University Annual Cardiac Conference, Chateau Elan, Atlanta, Georgia, September, 2012

5. "Plasma Exchange for Sepsis: Desperate Devices" Southeastern Society of Critical Care Medicine Lexington, KY August 2009
6. "ECMO in Trauma-It's Not Just for Babies Anymore" Georgia Trauma Conference Atlanta, GA May 2009
7. "New Weapons in the War on Sepsis" Annual Children's Healthcare Nursing Conference Atlanta, GA September 2005
8. "Resting and Recruiting the Lungs on ECMO" Annual Southeastern ECMO Conference SEECCMO Atlanta, GA May 2005
9. "Near Drowning in Children" Grand Rounds, Department of Pediatrics Rockdale Hospital, Conyers, GA, May 2005
10. "Near Drowning" Grand Rounds, Department of Pediatrics Northeast Georgia Medical Center, Gainesville GA, August 2004
11. "What's New in Pediatric ARDS?" 14th Annual Pediatric Allergy and Pulmonology Update Children's Healthcare of Atlanta, Atlanta, GA, September 2003
12. "Childhood Pain: Update on Management" Grand Rounds, Department of Pediatrics Columbus Regional Medical Center, Columbus GA, April 2003
13. "Near Drowning" Grand Rounds, Department of Pediatrics Columbus Regional Medical Center, Columbus GA, November 2002
14. "Managing Pain in Children" Fall Meeting, American Academy of Pediatrics, Georgia Chapter Atlanta, GA, November 2002
15. "Perspectives on Pain in the PICU" Greater Atlanta Pediatric Society Atlanta, GA, September 2002
16. "Update on Inhaled NO and ECMO" Georgia Society of Respiratory Care, Annual Meeting Sea Island, GA, August 2002
17. "ECMO for Post-Traumatic ARDS" District III EMS Trauma Advisory Committee Atlanta, GA, October 2001
18. "Update on Inhaled Nitric Oxide" Annual Meeting, Georgia Association of Respiratory Care, February 2001.
19. "Rehabilitation Begins in the PICU", Children's Healthcare of Atlanta Rehabilitation Conference, Atlanta, GA, October 2000.
20. "What's New In Pediatric ARDS?" Grand Rounds, Department of Medicine, Children's Healthcare of Atlanta at Egleston, September 2000.
21. "Near Drowning", Grand Rounds, Department of Pediatrics, Columbus Medical Center, Columbus, GA, April 2000.
22. "You Take My Breath Away: Managing the Critically Ill Child with Status Asthmaticus". Frontiers In General Pediatrics Conference, Children's Healthcare of Atlanta, March 2000.

23. "Methemoglobinemia: Diagnosis and Management". Emory Department of Pediatrics Grand Rounds, Grady Memorial Hospital, February 2000.
24. "Managing Life Threatening Asthma", Advanced Management - Pediatric and Adult Respiratory Failure, Atlanta, Georgia, October 1998.
25. "How to Read a Journal Article", Emory University School of Medicine, Department of Pediatrics Journal Club, Atlanta, Georgia, August 1998.
26. "Update: The Critically Ill Child with Status Asthmaticus", Pediatric Grand Rounds, Egleston Children's Hospital, Atlanta, Georgia, May 1998.
27. "Inhaled Nitric Oxide Use in Pediatric and Adult Respiratory Failure." Annual Meeting, Georgia Society for Respiratory Care, Atlanta, Georgia, January 1998.
28. "Inhaled Nitric Oxide in Pediatric and Adult Lung Injury: Should We Use It?" Advanced Management- Pediatric and Adult Respiratory Failure, Grand Rounds, Atlanta, Georgia, November 1997.
29. "Pediatric Pain Management." Pediatric Grand Rounds, Northeast Georgia Medical Center, Gainesville, Georgia, October 1997.
30. "Update on the Management of RSV Bronchiolitis". Grand Rounds, Department of Pediatrics, Emory University School of Medicine, October 30, 1996.
31. "Airway Skills", Egleston Urgent Care Physicians Course, Egleston Children's Hospital, October 3, 1996.
32. "From the Bedside to the Bench and Back", Pediatric Fellows Orientation Course, Department of Pediatrics, Emory University School of Medicine, August 30, 1996.
33. "Diagnosis and Management of Shock", Pediatric Acute Care Symposium, Department of Pediatrics, Emory University School of Medicine, July 1996.
34. "Exogenous Nitric Oxide Enhances Apoptotic Neutrophil Cell Death", Grand Rounds, Department of Pediatrics, Emory University School of Medicine, May 1996.
35. "Ribavirin: The Great Debate", Current Concepts: Respiratory Management of the Perinatal and Pediatric Population, Egleston Children's Hospital, October 1995.
36. "Research Update", Children's Research Center, Board of Directors meeting, August 1996.
37. "Management of Severe Asthma", Critical Care Nursing Conference, Hughes Spalding Children's Hospital, July 1995.
38. "Toxic Shock Syndrome", Grady Memorial Hospital Grand Rounds, Department of Pediatrics, Emory University School of Medicine, May 1995.
39. "The Inflammatory Response to Lung Injury", Fellow's Research Conference, Emory University School of Medicine, March 1995.
40. "Noninvasive Ventilation in Pediatric Patients", Emory Department of Pediatrics, Grand Rounds,

November 1994.

41. "Taming the Inflammatory Cascade", Critical Care Nursing Conference, Egleston Children's Hospital, March 1994.
42. "Noninvasive Positive Pressure Ventilation in Pediatric Patients", Egleston Respiratory Care Conference, March 1994.
43. "Ribavirin - The Great Debate", Emory Department of Pediatrics, Grand Rounds, January 1994.
44. "The Inflammatory Cascade in Critical Illness", Infectious Disease Grand Rounds, 1994.
45. "The Neutrophil in Host Defense and Tissue Injury", Emory Pediatric Fellow's Conference, May 1993.
46. "Flow-Volume Loops in Mechanically Ventilated Patients", 1993 Egleston Respiratory Care Conference.
47. "Frontiers in Anti-Inflammatory Therapy in Critical Illness", Emory Department of Pediatrics, Grand Rounds, January 1993.
48. "The Bottom Line in the Treatment of Poisoning" Pediatric Postgraduate Symposium Baylor College of Medicine, Houston, TX, April 1991
49. "Preparation and Stabilization of the Critically Ill Child for Transport: Respiratory Implications", Texas State Respiratory Convention and Trade Show, July 1991.
50. "Preparation of the Critically Ill Child for Transport", Pediatric Respiratory Care Seminar, Department of Respiratory Therapy, Texas Children's Hospital, September 1990.
51. "Poisoning: New Approaches and Practical Guidelines", Grand Rounds, Department of Pediatrics, Texas Children's Hospital, September 1989.
52. "Management of Burns in Children", Grand Rounds, Department of Pediatrics, Charlotte Memorial Hospital and Medical Center, October 1987.
53. "Corticosteroids in Pediatric Practice", Grand Rounds, Department of Pediatrics, Charlotte Memorial Hospital and Medical Center, June 1987.

Visiting Professorships – National/International

1. "Fluid Overload in Critical Illness", Grand Rounds, Wake Forest University School of Medicine, October 2012
2. Visiting Professor, Wake Forest University School of Medicine, October 2012
3. Visiting Professor, Bambino Gesù Children's Hospital, Rome, Italy, May 2012
4. Visiting Professor, Capitol Medical University, Beijing, China, June 2011
5. Visiting Professorship University of Illinois-Peoria, February 2010
6. "Venovenous ECMO: Give It a Chance" ; Annual ECMO Symposium, Children's Hospital of

Illinois, Peoria, Illinois, February 2010

7. "Pediatric Sepsis: Something Old, Something New", Pediatric Grand Rounds, Children's Hospital of Illinois, Peoria, Illinois, February 2010
8. Visiting Professorship, UT-San Antonio School of Medicine, Christus Santa Rosa, San Antonio, Texas, May 2008
9. "ECMO: Useful For Young and Old?", San Antonio Critical Care Society San Antonio, TX, May 2008
10. Visiting Professorship, Arkansas Children's Hospital, Little Rock, Arkansas, May 2006
11. "Venovenous ECMO: Principles and Management", ECMO Conference, Arkansas Children's Hospital, Little Rock, AR, May 2006

Lectures/Invitations to National or International Conferences

1. "Update on the Extracorporeal Life Support Organization Registry", Annual Congress, Pediatric Academic Societies, Vancouver CA, May 2014
2. "CRRT on ECMO", 3rd Annual Conference, Euro-ELSO, Paris France, May 2014
3. "Treat the Sepsis: Mechanisms and Potential Impact of Plasma Exchange", 30th Annual Children's National Health Center ELSO Symposium, Keystone, CO, February 2014
4. "Noninvasive Ventilation in Pediatric Respiratory Failure", Pediatric Postgraduate Course, Annual Congress, Society of Critical Care Medicine, San Francisco, CA, January 2014
5. "What If Your Unit Had a Futility Policy?", Annual Congress, Society of Critical Care Medicine, San Francisco, CA January 2014
6. "Pediatric Respiratory Failure on ECMO", 1st Annual Pacific ELSO Conference, Beijing, China October 2013
7. "Organization of ECMO Programs", 1st Annual Pacific ELSO Conference, Beijing, China October 2013
8. "CRRT in ECMO", 1st Annual Pacific ELSO Conference, Beijing, China October 2013
9. "Is Plasma Exchange a Promising Therapy for Sepsis? : Results of the Pediatric TAMOF Network Study". Sepsis Education Day, Terumo BCT, Denver, CO, July 2013.
10. "What Is An Acceptable Oxygen Saturation in ECMO?", 2nd Annual Euro-ELSO Conference, Stockholm, Sweden, May 2013
11. "ECMO: Indications in Adult Respiratory Failure", Pre-Congress Course, 2nd Annual Euro-ELSO Conference, Stockholm, Sweden, May 2013
12. "Monitoring in ECMO", Pre-Congress Course, 2nd Annual Euro-ELSO Conference, Stockholm, Sweden, May 2013
13. "The History of ECMO", 1st Extracorporeal Life Support Organization Neonatal/Pediatric ECMO

Training Course, Nemours Medical Center, Wilmington, DE, February 2013

14. "Physiologic Principles of ECMO", 1st Extracorporeal Life Support Organization Neonatal/Pediatric ECMO Training Course, Nemours Medical Center, Wilmington, DE, February 2013
15. "Management of ECMO Cannulation", 1st Extracorporeal Life Support Organization Neonatal/Pediatric ECMO Training Course, Nemours Medical Center, Wilmington, DE, February 2013
16. "Plasma Exchange in Sepsis: Does It Work?", 29th Annual Children's National Medical Center ECMO Symposium, Keystone, CO, February 2013
17. "TAMOF and Sepsis", International Pediatric Continuous Renal Replacement Consortium/Acute Kidney Injury Symposium, Cincinnati Children's Hospital, Cincinnati, OH, September 2012
18. "Is CRRT Effective in Sepsis?", International Pediatric Continuous Renal Replacement Consortium/Acute Kidney Injury Symposium, Cincinnati Children's Hospital, Cincinnati, OH, September 2012
19. "Basics of Pediatric Sepsis", National Teleconference, Pediatric Sepsis Collaborative, Children's Hospital Association, July 2012
20. "Efficacy of ECMO", 1st Annual Euro-ELSO Conference, Rome, Italy, May 2012
21. "Plasma Exchange in Sepsis: Promising Therapy?", Sepsis Symposium, Pediatric Academic Societies, Boston, MA, April 2012
22. "Update on the Plasma Exchange TAMOF Trial", 16th Annual International Conference on Continuous Renal Replacement Therapies San Diego, CA, February 2012
23. "Fluid Overload in Pediatric Critical Illness", Current Concepts in Pediatric Critical Care, Annual Congress, Society of Critical Care Medicine, Houston, TX, February 2012.
24. "Pediatric Respiratory Failure ECMO" at the 6th Five-Continent International Symposium on Cardiovascular Diseases, Capitol Medical University, Beijing, China, June 24-26, 2011.
25. "Adrenal Insufficiency in Vasopressor-Dependent Systemic Inflammatory Response Syndrome and Effect of Exogenous Steroid Supplementation" Oral Presentation at World Congress of Pediatric Critical Care, Sydney Australia, April 2011
26. "The 2009 H1N1 Pandemic: Management of Respiratory Failure", 27th Annual Children's National Medical Center ECMO Symposium, Keystone CO, February 2011
27. "Apheresis for Pediatric Sepsis", Symposium for Apheresis in Children, 22nd Annual Symposium on Pediatric Dialysis, Phoenix, AZ, February 2011
28. "Extracorporeal Therapies in Sepsis", Sepsis Symposia, Annual Congress, Society of Critical Care Medicine, San Diego, CA, January 2011.
29. "The ELSO Registry: Can We Make It Better?" "ECMO In An Outbreak: H1N1" 20th Annual Meeting, Extracorporeal Life Support Organization Saint Petersburg, FL September 2010

30. "Extracorporeal Therapies in Pediatric Sepsis: Desperate Devices", Platform Symposium, 15th International Congress, International Pediatric Nephrology Association, New York, New York September 2010
31. "Improving the ELSO Registry" 6th International Conference on Cardiac Databases Atlanta, GA September 2010
32. "New Therapies for Sepsis" Platform Symposium, Annual Meeting, Pediatric Academic Societies Vancouver, BC, May 2010
33. "The History of ECMO for Neonatal and Pediatric Respiratory Failure" 19th Annual Meeting, Extracorporeal Life Support Organization Ann Arbor, MI, September 2009
34. "Do We Know When to Say Wean?" Podcast Society of Critical Care Medicine March 2009
35. "Corticosteroids for Facilitating Extubation: Pro/Con Debate" 2009 Annual Congress, Society of Critical Care Medicine Nashville, TN, January 2009
36. "Plasma Exchange in Sepsis" "CVVH and ECMO" 5th International Pediatric Continuous Renal Replacement Therapy Conference Orlando, FL, June 2008
37. "Renal Replacement Therapies" Children's National Medical Center Pediatric Critical Care Board Review Washington, DC, April 2008
38. "Plasma Exchange, CRRT and Sepsis: The TAMOF Trial" 12th Annual International Conference on Continuous Renal Replacement Therapies San Diego, CA, February 2008
39. Workshop: "CRRT for Metabolic Disorders and Intoxications" 12th Annual International Conference on Continuous Renal Replacement Therapies San Diego, CA, February 2008
40. "Potential Use of Plasma Exchange and Plasmapheresis in Pediatric Sepsis" Postgraduate Update in Pediatric Critical Care 2008 Annual Congress, Society of Critical Care Medicine Honolulu, HI, January 2008
41. "Interactive Pediatric Critical Care Cases" 2008 Annual Congress, Society of Critical Care Medicine Honolulu, HI, January 2008
42. "Is Extracorporeal Support Beneficial in Sepsis and MRSA?" 17th Annual Extracorporeal Life Support Organization (ELSO) Conference Nashville, TN September 2007
43. "Liver and Kidney Interactions in Critical Care" "Extracorporeal Support in Sepsis" 5th World Congress on Pediatric Critical Care Geneva, Switzerland, June 2007
44. "Pediatric Advanced Technology Trials" 12th Annual International Conference on Continuous Renal Replacement Therapies San Diego, CA, March 2007
45. "Does NIV Really Prevent the Need for Invasive Mechanical Ventilation?" Pediatric Mechanical Ventilation Controversies Annual Congress, Society of Critical Care Medicine Orlando, FL, February 2007
46. "Medical Management of Cardiomyopathy and Infectious Myocarditis" Cardiac ECMO Pre-Conference 17th Annual Extracorporeal Life Support Organization (ELSO) Conference Atlanta, GA, September 2006

47. "Managing the Unmanageable: Sepsis Patients on ECMO" Plenary Session 17th Annual Extracorporeal Life Support Organization (ELSO) Conference Atlanta, GA, September 2006
48. "Noninvasive Ventilation in Critically Ill Children" Plenary Session Children's National Annual ECMO Symposium Keystone, CO, February 2006
49. Moderator/Organizer, "Impact of Medical Errors in Critically Ill Children" Plenary Session Annual National Conference, Society of Critical Care Medicine San Francisco, CA, January 2006
50. Co- Moderator/Organizer, "Review and Update of the 2005 AHA Pediatric Resuscitation Guidelines" Sections on Critical Care, Cardiology and Emergency Medicine American Academy of Pediatrics National Conference and Exhibition Atlanta, GA, October 2006
51. Co- Moderator/Organizer, "Wanted Dead or Alive: Ethics in Pediatric Organ Transplantation" Sections on Critical Care and Bioethics, American Academy of Pediatrics National Conference and Exhibition Atlanta, GA, October 2006
52. Moderator/Organizer, Scientific/Abstract Sessions Section on Critical Care, American Academy of Pediatrics National Conference and Exhibition 2003, 2004, 2005, 2006
53. "ECMO in Sepsis" Plenary Session Annual Meeting, Extracorporeal Life Support Organization Houston, TX, September 2005
54. "When I Use CVVH, Plasma Therapies and ECMO For Pediatric Sepsis" Plenary Session Annual Congress, Society of Critical Care Medicine Phoenix, AZ, January 2005
55. "The Use of Renal Replacement Therapies in the Pediatric BMT Patient" Annual Meeting, Children's Oncology Group, Pediatric BMT Section October 2004
56. Moderator/Organizer, "ECMO and Plasma Exchange in Sepsis" Plenary Session Annual Meeting, Extracorporeal Life Support Organization Houston, TX, September 2005
57. Moderator/Organizer, "Patient Safety in the PICU" Section on Critical Care, American Academy of Pediatrics National Conference and Exhibition October 2004
58. Moderator/Organizer, "Update on Transplantation in the PICU" Section on Critical Care, American Academy of Pediatrics National Conference and Exhibition Washington, DC, October 2004
59. Moderator/Organizer, "Update on Pediatric Mechanical Ventilation" Section on Critical Care, American Academy of Pediatrics National Conference and Exhibition Washington, DC, October 2005
60. "Update on Pediatric Acute Respiratory Failure ECMO Outcomes" Plenary Session Annual Meeting, Extracorporeal Life Support Organization Chicago, IL September 2003
61. "Update: ECMO for Pediatric Respiratory Failure" Extracorporeal Life Support Organization Annual Meeting Chicago, IL, October 2003
62. "Outcomes in BMT Patients with Diffuse Alveolar Hemorrhage" BMT and ECMO Discussion Panel Extracorporeal Life Support Organization Annual Meeting Scottsdale, AZ, September 2002

63. "ECMO for Post-Traumatic Acute Respiratory Failure in Children" 19th Annual Children's National Medical Center ECMO Symposium Keystone, CO, February 2002
64. "Rehabilitation Begins in the PICU" "Technology and Trauma Treatment: ECMO" Bay Area Trauma Symposium, St. Petersburg, Florida, June 2001 National Conferences-Development
65. Director, National Roundtable on Plasma Therapies in Pediatric Sepsis Children's Healthcare of Atlanta Center for ECMO and Advanced Technologies Atlanta, GA, October 2003
66. Co-Director, Acute Care Pediatrics: Review and Update of the State of the Art Department of Pediatrics, Baylor College of Medicine Hilton Head, SC, June 1992

Other Activities:

Oral Abstract Presentations:

1. **Fortenberry JD**, Romero LA, Timmons OD, Mariscalco MM: Quantification of capillary leak in isolated perfused lungs: Evans blue tissue accrual technique. Presented at Scientific Session, Critical Care Section, Annual Meeting of American Academy of Pediatrics, Chicago, Illinois, October 1989.
2. Timmons OD, Mariscalco MM, **Fortenberry JD**, Hansen TM: Failure of allopurinol and dimethyl sulfoxide to prevent experimental endotoxemic lung injury. Presented at Scientific Session, Critical Care Section, Annual Meeting, American Academy of Pediatrics, Chicago, Illinois, October 1989.
3. Romero LA, Mariscalco MM, **Fortenberry JD**, Timmons OD: Effects of endotoxin and serum in experimental lung injury. Presented at Scientific Sessions, Surgical Section, American Academy of Pediatrics, Chicago, Illinois, October 1989
4. Mariscalco MM, **Fortenberry JD**, Smith CW, Kishimoto TK, Anderson DC: CD11/CD 18 integrins and CD11/CD18 independent determinants contribute to lapine neutrophil inflammatory function. Presented at Immunology Section, Annual Meeting, Society of Pediatric Research, Anaheim, California, May 1990.
5. **Fortenberry JD**, Mariscalco MM, Louis PT, Jones JK, Stein F: Management of severe airway obstruction complicating measles. Presented at Scientific Assembly, American College of Chest Physicians, Toronto, Ontario, Canada, October 1990.
6. **Fortenberry JD**, Mariscalco MM, Marolda JR, Smith CW, Anderson DC: Diminished CD18-dependent neutrophil emigration in neonatal lapine peritonitis. Presented at Annual Meeting, Society for Pediatric Research, April 1991.
7. **Fortenberry JD**, Mariscalco MM, Marolda JR, Smith CW, Anderson DC: Diminished surface levels of LECAM-1 on neonatal lapine neutrophils. Presented at Annual Meeting, Society for Pediatric Research, April 1991.
8. Mariscalco MM, Marolda JR, **Fortenberry JD**, Anderson DC, Smith CW: Effect of lipopolysaccharide (LPS) on circulating neutrophil CD18 integrins and LECAM- 1 expression. Presented at Annual Meeting, FASEB, April 1991.

9. Mariscalco MM, Marolda JR, **Fortenberry JD**, Anderson DC, Smith CW: Role of CD18 integrins, LECAM-1 and ICAM-1 in a rabbit model of inflammation. Presented at Annual Meeting, Society for Leukocyte Biology, September 1991.
10. Cosio C*, **Fortenberry JD**, Jefferson LS, Louis PT, Stein F: Management of the intubated pediatric patient with status asthmaticus. Presented at the Annual Meeting of American College of Chest Physicians, 1992.
11. **Fortenberry JD**, Mariscalco MM, Marolda JR, Anderson DC, Smith CW: Diminished neutrophil emigration in neonatal lapine peritonitis is associated with deficits in CD18 dependent and CD18 independent adherence mechanisms. Presented at Fifth Pediatric Critical Care Colloquium, Salt Lake City, Utah, January 1992.
12. **Fortenberry JD**, Mariscalco MM, Marolda JR, Anderson DC, Smith CW: Deficits in L-selectin-dependent adherence contribute to diminished neutrophil emigration in neonatal rabbits. Presented at the Annual Meeting, Society for Pediatric Research, Baltimore, Maryland, May 1992.
13. **Fortenberry JD**, Bhardwaj V, Bland L, Cornish C, Niemer P, Wright J: Effects of neonatal extracorporeal membrane oxygenation (ECMO) on neutrophil activation and cytokine levels. Presented at Annual Meetings, Society of Critical Care Medicine, February 1994.
14. Mariscalco MM, **Fortenberry JD**, Marolda JR, Bennett RN, Beans KL, Smith CW: Polymorphonuclear leukocyte Mac-1: functional epitope for iC3b-binding is distinct from epitopes for adhesion dependent function. Presented at Annual Meeting, Society for Pediatric Research, May 1993.
15. Kelly AB, Hanson SR, **Fortenberry JD**, Rice WG, Cornish JD, Harker LA: Cerebral, pulmonary and peripheral vascular abnormalities mediated by blood exposure to Extracorporeal circulatory devices (ECCD). Presented at XIVth Congress of International Society on Thrombosis and Hemostasis, New York, July 1993.
16. **Fortenberry JD**, Del Toro J, Evey L, Haase D, Jefferson L: Nasal mask bi-level positive pressure ventilation (BiPAP) in children with mild to moderate hypoxemic respiratory failure. Presented at the Annual Meeting of American College of Chest Physicians, October 1993.
17. Daher A*, **Fortenberry JD**, Owens M, Brown LA: Effects of exogenous nitric oxide exposure on polymorphonuclear leukocyte superoxide generation and adherence protein surface levels. Presented at Pediatric Critical Care Colloquium, Seattle, Washington, October 1994.
18. **Fortenberry JD**, Bhardwaj V, Bland L, Cornish C, Niemer P, Wright J: Effects of neonatal extracorporeal membrane oxygenation (ECMO) on neutrophil activation and cytokine levels. Presented at Annual Meeting, Society for Pediatric Research, May 1994.
19. **Fortenberry JD**, Bland L, Cornish D, Wright JA: Neutrophil and cytokine activation during membrane changes in neonates requiring extracorporeal membrane oxygenation (ECMO). Presented at Sixth Annual Meeting, Extracorporeal Life Support Organization (ELSO), September 1994.
20. Heiss K, Kesser B, **Fortenberry JD**: Volume-induced lung injury: an animal model of

- ARDS. Presented at annual meeting, Association of Academic Surgeons, 1994.
21. **Fortenberry JD**, Huber AR, Owens ML: Pharmacologic modulation of cyclic AMP-dependent endothelial cell adhesion molecule expression. Winner of Pediatric Specialty Research Award. Presented at Society of Critical Care Medicine Annual Meeting, San Francisco, California, February 1995.
 22. **Daher AH***, **Fortenberry JD**, Owens ML, Brown LA: Effects of nitric oxide (NO) exposure on polymorphonuclear leukocyte (PMN) oxidative function and apoptotic cell death. Presented at Annual Meeting, Society for Pediatric Research, May 1995.
 23. **Fortenberry JD**, Owens ML, Atkinson D, Brown LA: Exogenous nitric oxide enhances apoptotic neutrophil cell death. Presented at poster/oral symposium presentation, "Glutathione and Nitric Oxide", Annual Meeting, Society for Pediatric Research, Washington, D.C., May 1996.
 24. **Fortenberry JD**, Owens ML, Brown LA: Exogenous nitric oxide induces neutrophil cell death. Presented at Annual Meeting, Society of Critical Care Medicine, New Orleans, Louisiana, February 1996.
 25. **Fortenberry JD**, Owens ML, Brown LAS: Neutrophil Fas antigen and Fas-mediated apoptosis: effects of nitric oxide. Accepted for oral presentation at Southern Society for Pediatric Research, New Orleans, Louisiana, February 1997.
 26. **Cabrera G***, **Fortenberry JD**, Butler TC, Warshaw BC, Cooperstone BG, Chambliss CR: Hemolytic-uremic syndrome associated with invasive *Streptococcus pneumoniae* infection. Presented at Annual Meeting, American Academy of Pediatrics, 1997.
 27. **Raghuram N***, **Fortenberry JD**, Owens ML, Brown LAS: Effects of nitric oxide and hyperoxia on human lung fibroblast viability and apoptosis. Presented at Pediatric Critical Care Colloquium, Hot Springs, Arkansas, October 1997.
 28. **Fortenberry JD**, Owens ML, Brown LAS: Nitrosylated glutathione enhances neutrophil DNA fragmentation and apoptotic cell death. Presented at Annual Meeting, American Thoracic Society, San Francisco, California, 1997.
 29. **Fortenberry JD**, Birkness K, Secor V, Brown LAS, Quinn F: Development of a model for shear stress flow effects on an alveolar epithelial-pulmonary microvascular endothelial bilayer. Poster presentation at Annual Meeting, American Thoracic Society, San Francisco, California, 1997.
 30. **Fortenberry JD**, Owens ML, Brown LAS: Neutrophil Fas antigen and Fas-mediated apoptosis: effects of nitric oxide. Oral presentation at Annual Meeting, American Thoracic Society, San Francisco, California, 1997.
 31. **Serrao K***, **Fortenberry JD**, Brown LAS: Fas antigen and neutrophil exposure mediate apoptosis in alveolar epithelial cells. Platform Session at 1997 Pediatric Academic Societies' Annual Meeting, Washington, D.C., 1997.
 32. **Fortenberry JD**, Owens M, Chen NX, Brown LAS: S-nitrosoglutathione inhibits activation of transcription factor NF κ B in human neutrophils (PMNS). Platform Session at 1997 Pediatric Academic Societies' Annual Meeting, Washington, D.C., 1997.

33. Serrao KL*, **Fortenberry JD**, Brown LA: Neutrophils induce apoptosis of alveolar epithelial cells via Fas/Fas ligand interaction. Presented at Annual Meeting, American Academy of Pediatrics, 1998. Winner, Best-In-Training Abstract, Critical Care Section.
34. Dobyns EL, Anas NG, Cornfield DN, **Fortenberry JD**, and the Nitric Oxide Study Group: Multicenter randomized trial of the effects of inhaled nitric oxide therapy on gas exchange in children with acute hypoxemic respiratory failure. Presented at Annual Meeting, Society for Pediatric Research, 1998.
35. Butler JC, Cabrera GR*, **Fortenberry JD**, Paton JC, Elliott JA, Facklam RR: Hemolytic-uremic syndrome in children with pneumococcal bacteremia. Presented at First International Symposium on Pneumococci and Pneumococcal Diseases, Helsingør, Finland, June 13-17, 1998.
36. **Fortenberry JD**, Pettignano R, Robertson RC, Darsey E, Chambliss RC: Use of a standardized methadone weaning protocol in PICU patients. Presented at Annual Meeting, Society of Critical Care Medicine, February 2000.
37. Dobyns E, Cornfield D, Anas N, **Fortenberry JD**, and The Nitric Oxide Study Group: Interactive effects of high frequency oscillatory ventilation and inhaled nitric oxide in acute respiratory failure in pediatrics. Presented at Annual Meeting, Society of Critical Care Medicine, February 2000.
38. Petrillo T*, Heard ML, **Fortenberry JD**: The use of extracorporeal life support for respiratory failure caused by tuberculous pneumonia. Presented at Annual Meeting, Extracorporeal Life Support Organization, New Orleans, LA, September 2000.
39. Restrepo RD, Spainhour C, **Fortenberry JD**: Comparison of ventilator length of stay in pediatric patients using a patient-driven protocol vs. a physician-directed protocol. Presented at Annual Forum, American Association of Respiratory Care, 2000.
40. Restrepo RD, DeMeuse P, Ari A, **Fortenberry JD**: Use of halothane in a pediatric patient with status asthmaticus. Presented at Annual Forum, American Association of Respiratory Care, 2000.
41. Petrillo T*, **Fortenberry JD**: Use of ketamine in severe pediatric asthma. Presented at Annual Meeting, American College of Chest Physicians, San Francisco, CA, October 2000.
42. Heggen J*, West C, **Fortenberry JD**, Olson E, Olson T, Teague G, Yeager A: Diffuse pulmonary alveolar hemorrhage in pediatric hematopoietic cell transplant. Presented at Society of Critical Care Medicine 30th International Educational and Scientific Symposium, February 2001.
43. Heggen J*, **Fortenberry JD**, Tanner A, Labuz M, Heard M, Wagoner S,: Systemic hypertension associated with pediatric venovenous ECMO. Presented at 31st Critical Care Congress, San Diego, CA, February 2002.
44. Meier A, **Fortenberry JD**, Pettignano R, Heard M, Wulkan M. Experience with ECMO for post-traumatic ARDS at a children's medical center. Presented at Annual Meeting, American Pediatric Surgical Association, May 2002.
45. Heard M, Pettignano R, **Fortenberry JD**, Labuz M, Kesser K, Tanner A, Wagoner S,

- Heggen J. Primary use of venovenous extracorporeal membrane oxygenation for pediatric acute respiratory failure. Presented at Annual Meeting, Extracorporeal Life Support Organization, Scottsdale, AZ, September 2002.
46. Foland J*, **Fortenberry JD**, Tanner A, Heard M, Reid C, Rogers K, Meritt R. Decreased fluid overload is associated with improved survival in pediatric hemofiltration. Presented at National Convention and Exhibition, Section of Critical Care, American Academy of Pediatrics, 2003.
 47. Hoover N*, **Fortenberry JD**, Tanner A, Heard M, Wagoner S, Young T. Continuous venovenous hemofiltration in venovenous ECMO for respiratory failure. Presented at Annual Meeting, Children's National Medical Center Extracorporeal Membrane Oxygenation Symposium, 2004.
 48. Symons JM, (ppCRRT Registry Group, Houston, TX), Somers M, Baum T, Bunchman T, Brophy P, Blowey D, **Fortenberry JD**, Chand D, Flores F, Hackbarth R, Alexander S, Chua A, Mahan J, McBryde K, Goldstein S. Demographic characteristics of pediatric CRRT: a report of the Prospective Pediatric Continuous Renal Replacement Therapy (ppCRRT) Registry Group. Presented at Annual Meeting, American Society of Nephrology, 2005.
 49. Paden ML*, **Fortenberry JD**, Rigby M, Heard ML, Rogers K. Cytokine/soluble Fas ligand response in children with septic acute renal failure (ARF) on CVVH. Presented at International Pediatric CRRT Symposium, Zurich, Switzerland, February 2006
 50. Flores FX, Brophy PD, Symons JM, **Fortenberry JD**, Chua AN, Alexander SR, Mahan J, Bunchman TE, Blowey D, Somers MJG, Baum M, Hackbarth R, Chand D, McBryde K, Goldstein SL: CRRT in Pediatric Sepsis: A Report for the ppCRRT Registry Group. Presented at 11th International Conference on Continuous Renal Replacement Therapies, March 2006
 51. Symons JM, Somers MJG, Baum M, Bunchman TE, Brophy PD, Blowey D, **Fortenberry JD**, Chua AN, Alexander SR, Mahan J, Hackbarth R, Chand D, McBryde K, Goldstein SL: Demographics of Pediatric CRRT: A Report for the ppCRRT Registry Group. Presented at 11th International Conference on Continuous Renal Replacement Therapies, March 2006
 52. Simon DH, Sediel K, Goldstein SL, Chua AN, Somers MJG, Baum MA, Bunchman TE, Brophy PD, Blowey D, **Fortenberry JD**, Chand D, Flores FX, Hackbarth R, Alexander SR, Mahan J, McBryde KD, Symons JM: Fluid Removal Rate and Mortality in Pediatric CRRT: A Report for the ppCRRT Registry Group. Presented at 11th International Conference on Continuous Renal Replacement Therapies, March 2006
 53. Hebbar K*, **Fortenberry JD**, Felner E, Rigby M. Neuroendocrine responses in septic pediatric patients. Oral presentation at American Academy of Pediatrics National Conference and Exhibition, October 2006.
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CHILDREN'S HEALTHCARE OF ATLANTA, INC. AND AFFILIATES

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS FOR THE YEAR ENDED DECEMBER 31, 2010

	Federal CFDA Number	Pass-Through Entity	Federal Expenditures
RESEARCH AND DEVELOPMENT CLUSTER:			
U.S. Department of Health and Human Services			
Direct award — Social Services Research and Demonstration	93 647		\$ 294,589
			<u>294,589</u>
Pass-Through Programs:			
Oral Diseases and Disorders Research	93 121	Children's Hospital & Regional Medical Center	18,744
Oral Diseases and Disorders Research	93 121	New York University	75,954
Research on Healthcare Costs, Quality and Outcomes	93 226	Emory University	14,838
Nursing Research	93 361	Indiana University	15,041
Nursing Research	93 361	Emory University	4,728
National Center for Research Resources	93 389	Emory University	202,341
National Center for Research Resources	93 389	Morehouse University	27,505
Cancer Cause and Prevention Research	93 393	Kaiser Permanente Georgia	4,661
Cancer Treatment Research	93 395	Emory University	500,687
Cancer Treatment Research	93 395	Children's Hospital Los Angeles	11,605
Cancer Treatment Research	93 395	Dana Farber Research Institute	20,605
ARRA-Trans-NIH Recovery Act Research Support	93 701	Emory University	21,819
Cardiovascular Diseases Research	93 837	Emory University	15
Blood Disease and Resources Research	93 839	Emory University	185,764
Blood Disease and Resources Research	93 839	New England Research Institute	12,970
Arthritis, Musculoskeletal, and Skin Diseases Research	93 846	University of Iowa	4,772
Diabetes, Digestive, and Kidney Diseases Extramural Research	93 847	Emory University	57,290
Extramural Research Programs in the Neurosciences and Neurological Disorders	93 853	Cincinnati Children's Hospital Medical Center	6,644
Extramural Research Programs in the Neurosciences and Neurological Disorders	93 853	Emory University	250
Allergy, Immunology, and Transplantation Research	93 855	Emory University	61,535
Child Health and Human Development Extramural Research	93 865	University of Utah	62,892
Child Health and Human Development Extramural Research	93 865	Emory University	<u>516</u>
Total pass-through programs			<u>1,311,178</u>
Total U.S. Department of Health and Human Services			<u>1,605,767</u>
Total Research and Development Cluster			<u>1,605,767</u>

(Continued)

CHILDREN'S HEALTHCARE OF ATLANTA, INC. AND AFFILIATES

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS FOR THE YEAR ENDED DECEMBER 31, 2010

	Federal CFDA Number	Pass-Through Entity	Federal Expenditures
OTHER:			
U.S. Department of Health and Human Services:			
Direct award — Child Abuse and Neglect Discretionary Activities	93 670		\$ 2,075
Direct award — Health Care and Other Facilities	93 887		<u>92,784</u>
			<u>94,858</u>
Pass-Through Programs:			
Disabilities Prevention	93 184	Georgia Department of Community Health	25,644
Immunization Grants	93 268	Georgia Department of Human Resources	<u>2,027</u>
Center for Disease Control and Prevention Investigations and Technical Assistance	93 283	Boston's Children's Hospital	37,516
Center for Disease Control and Prevention Investigations and Technical Assistance	93 283	Morhouse University	44,683
Cancer Control	93 399	Emory University	16,128
Temporary Assistance for Needy Families	93 558	Children's Advocacy Centers of Georgia	10,019
Medical Assistance Program	93 778	Georgia Department of Behavioral Health and Developmental Disabilities	1,933,252
National Bioterrorism Hospital Preparedness Program	93 889	Georgia Department of Human Resources	128,359
National Bioterrorism Hospital Preparedness Program	93 889	Georgia Hospital Association	<u>1,919</u>
Total pass-through programs			<u>2,199,547</u>
Total U.S. Department of Health and Human Services			<u>2,294,405</u>
U.S. Department of Agriculture:			
Direct award — Distance Learning and Telemedicine Loans and Grants	10 855		<u>138,750</u>
Total U.S. Department of Agriculture			<u>138,750</u>
National Science Foundation:			
Pass-Through Program:			
Computer and Information Science and Engineering	47 070	Georgia Institute of Technology	<u>14,589</u>
TOTAL EXPENDITURES OF FEDERAL AWARDS			<u>\$4,053,510</u>

See notes to Schedule of Expenditures of Federal Awards

CHILDREN'S HEALTHCARE OF ATLANTA, INC. AND AFFILIATES

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS FOR THE YEAR ENDED DECEMBER 31, 2011

	Federal CFDA Number	Pass-Through Entity	Federal Expenditures
RESEARCH AND DEVELOPMENT CLUSTER:			
U.S. Department of Health and Human Services:			
Direct award — Social Services Research and Demonstration	93.647		\$ 101,584
Direct award — Child Abuse and Neglect Discretionary Activities	93.670		221,663
Direct award — Specially Selected Health Projects	93.888		<u>27,396</u>
			350,643
Pass-Through Programs:			
Chronic Diseases: Research, Control, and Prevention	93.068	Emory University	1,785
Birth Defects and Developmental Disabilities — Prevention and Surveillance	93.073	TKC Integration Services, LLC	72
Food and Drug Administration Research	93.103	Emory University	105
Bilingual and Bicultural Service Demonstration Grants	93.105	Emory University	120
Environmental Health	93.113	Georgia Pediatric Pulmonary Associates, PC	21,050
Oral Diseases and Disorders Research	93.121	New York University	81,317
Research on Healthcare Costs, Quality, and Outcomes	93.226	Emory University	10,616
Mental Health Research Grants	93.242	Emory University	243,915
Center for Disease Control and Prevention — Investigations and Technical Assistance	93.283	Emory University	23,420
Center for Disease Control and Prevention — Investigations and Technical Assistance	93.283	Boston Children's Hospital	27,913
Center for Disease Control and Prevention — Investigations and Technical Assistance	93.283	Morehouse University	25,942
National Center for Cancer Research Resources	93.389	Emory University	155,885
Cancer Cause and Prevention Research	93.393	Georgia Technical Institute	41,882
Cancer Cause and Prevention Research	93.393	Emory University	16,174
Cancer Detection and Diagnosis Research	93.394	Emory University	8,250
Cancer Treatment Research	93.395	Emory University	371,730
Cancer Treatment Research	93.395	Indiana University School of Medicine	2,874
Cancer Treatment Research	93.395	Children's Hospital Los Angeles	1,835
Cancer Treatment Research	93.395	Dana Farber Research Institute	1,698
Cancer Control	93.399	Emory University	15,977
ARRA-Trans-NIH Recovery Act Research Support	93.701	Emory University	29,186
Cardiovascular Diseases Research	93.837	Emory University	60,066
Blood Disease and Resources Research	93.839	Emory University	76,293
Blood Disease and Resources Research	93.839	Medical University of South Carolina	9,030
Blood Disease and Resources Research	93.839	New England Research Institute	2,400
Arthritis, Musculoskeletal, and Skin Diseases Research	93.846	Emory University	112,573
Arthritis, Musculoskeletal, and Skin Diseases Research	93.846	University of Iowa	107
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847	Emory University	112,450
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853	Cincinnati Children's Hospital	10,343
Allergy, Immunology, and Transplantation Research	93.855	Emory University	97,019
Microbiology and Infectious Diseases Research	93.856	Emory University	139
Child Health and Human Development Extramural Research	93.865	University of Utah	18,486
Child Health and Human Development Extramural Research	93.865	Emory University	14,807
Maternal and Child Health Services Block Grant to the States	93.994	Emory University	<u>114,440</u>
Total pass-through programs			<u>1,709,899</u>
Total U.S. Department of Health and Human Services			<u>2,060,542</u>
Total Research and Development Cluster			<u>2,060,542</u>

(Continued)

CHILDREN'S HEALTHCARE OF ATLANTA, INC. AND AFFILIATES

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS FOR THE YEAR ENDED DECEMBER 31, 2011

	Federal CFDA Number	Pass-Through Entity	Federal Expenditures
OTHER:			
U.S. Department of Health and Human Services: Direct award — Health Care and Other Facilities	93.887		\$ 169,963
			169,963
Pass-Through Programs:			
Disabilities Prevention	93.184	Georgia Department of Community Health	72,773
Medical Assistance Program	93.778	Georgia Department of Behavioral Health and Developmental Disabilities	3,172,552
National Bioterrorism Hospital Preparedness Program	93.889	Georgia Department of Human Resources	3,996
Total pass-through programs			3,249,321
Total U.S. Department of Health and Human Services			3,419,284
U.S. Department of Agriculture: Direct award — Distance Learning and Telemedicine Loans and Grants	10.855		350
Total U.S. Department of Agriculture			350
U.S. Department of Justice: Pass-Through Program:			
Improving the Investigation and Prosecution of Child Abuse and the Regional and Local Children's Advocacy Centers	16.758	Children's Advocacy Centers of Georgia	10,033
Total U.S. Department of Justice			10,033
TOTAL EXPENDITURES OF FEDERAL AWARDS			\$ 5,490,209
See notes to Schedule of Expenditures of Federal Awards.			(Concluded)

CHILDREN'S HEALTHCARE OF ATLANTA, INC. AND AFFILIATES

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS FOR THE YEAR ENDED DECEMBER 31, 2012

	Federal CFDA Number	Pass-Through Entity	Federal Expenditures
RESEARCH AND DEVELOPMENT CLUSTER			
U.S. Department of Health and Human Services:			
Direct award — Child Abuse and Neglect Discretionary Activities	93.670		\$ 74,531
Direct award — Health Care and Other Facilities	93.887		5,856
Direct award — Specialty Selected Health Projects	93.888		256,116
Direct award — Maternal and Child Health Services Block Grant to the States	93.994		<u>2,209</u>
			<u>338,712</u>
Pass-Through Programs:			
Chronic Diseases: Research, Control, and Prevention	93.068	Emory University	4,685
Food and Drug Administration Research	93.103	Emory University	3,685
Oral Diseases and Disorders Research	93.121	New York University	66,513
Mental Health Research Grants	93.242	Emory University	654,501
Center for Disease Control and Prevention — Investigations and Technical Assistance	93.283	Boston Children's Hospital	19,744
National Center for Advancing Translational Sciences	93.350	Emory University	142,074
Nursing Research	93.361	Emory University	375
Nursing Research	93.361	Indiana University	42,737
Cancer Cause and Prevention Research	93.393	Emory University	6,052
Cancer Cause and Prevention Research	93.393	Georgia Tech	11,033
Cancer Treatment Research	93.395	Children's Hospital of Los Angeles	687
Cancer Treatment Research	93.395	Emory University	306,699
Cancer Treatment Research	93.395	St. Jude	8,661
Cancer Control	93.399	Emory University	14,547
The Affordable Care Act: Building Epidemiology, Laboratory, and Health Information Systems Capacity in the Epidemiology and Laboratory Capacity for Infectious Disease and Emerging Infections Program Cooperative Agreements	93.521	Emory University	247
Trans-NIH Recovery Act Research Support	93.701	Emory University	168,198
Cardiovascular Diseases Research	93.837	Emory University	269,987
Cardiovascular Diseases Research	93.837	Boston Children's Hospital	6,383
Blood Diseases and Resources Research	93.839	Emory University	135,611
Arthritis, Musculoskeletal, and Skin Diseases Research	93.846	University of Iowa	13,471
Arthritis, Musculoskeletal, and Skin Diseases Research	93.846	Emory University	101,646
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847	Emory University	218,130
Allergy, Immunology, and Transplantation Research	93.855	Emory University	68,976
Child Health and Human Development Extramural Research	93.865	Emory University	24,730
Vision Research	93.867	Emory University	<u>31,679</u>
Total pass-through programs			<u>2,321,051</u>
Total U.S. Department of Health and Human Services			<u>2,659,763</u>
U.S. Department of Defense:			
Pass-Through Programs:			
Military Medical Research and Development	12.420	Georgia Tech	<u>15,950</u>
Total U.S. Department of Defense			<u>15,950</u>
U.S. Department of Education:			
Direct Award — National Institute on Disability and Rehabilitation Research	84.133		<u>131,504</u>
Total U.S. Department of Education			<u>131,504</u>
Total Research and Development Cluster			<u>2,807,217</u>

(Continued)

CHILDREN'S HEALTHCARE OF ATLANTA, INC. AND AFFILIATES

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS FOR THE YEAR ENDED DECEMBER 31, 2012

	Federal CFDA Number	Pass-Through Entity	Federal Expenditures
OTHER:			
U.S. Department of Health and Human Services:			
Direct award — Substance Abuse and Mental Health Services — Projects of Regional and National Significance	93.243		\$ 7,523
			<u>7,523</u>
Pass-Through Programs:			
Medical Assistance Program	93.778	Georgia Department of Behavioral Health and Developmental Disabilities	<u>2,616,308</u>
Total pass-through programs			<u>2,616,308</u>
Total U.S. Department of Health and Human Services			<u>2,623,831</u>
U.S. Department of Justice:			
Pass-Through Program:			
Improving the Investigation and Prosecution of Child Abuse and the Regional and Local Children's Advocacy Centers	16.758	National Children's Alliance	<u>9,999</u>
Total U.S. Department of Justice			<u>9,999</u>
TOTAL EXPENDITURES OF FEDERAL AWARDS			<u>\$5,441,047</u>
See notes to schedule of expenditures of federal awards.			(Concluded)